Index of Claims

| Applica | tion/ | Contro | ol No. |
|---------|-------|--------|--------|

Magdalene K. Sgagias

10/580,248 Examiner

Applicant(s)/Patent under Reexamination

ADACHI ET AL.

Art Unit

1632

Rejected Allowed

(Through numeral) Cancelled

Restricted

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| _ | Interference |

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| Ci    | aim        | V                 |                 |  |              | Date             | <u>-</u>   |  |          |          | Г  | Clai      | im       |          |            |           | C        | Date          |          |          |          | 7        | Cli      | aim        |                |          |          |          | Date        |           |             |               | $\neg$   |
|-------|------------|-------------------|-----------------|--|--------------|------------------|--|--|----------|----------|--|-----------|----------|----------|------------|-----------|----------|---------------|----------|----------|----------|----------|----------|------------|----------------|----------|----------|----------|-------------|-----------|-------------|---------------|----------|
|       |            | 2010              |                 | Т  | Г            | T                | Ť  | Г  |          |          | <u>                                   </u> |           |          |          | T          |           | Ī        |               | 7        |          |          | ┪.       |          |            |                |          |          | Ť        |             | 1         | $\neg \tau$ | _             |          |
| _     | Original   | 8                 | 3               | 1  |              |                  | l  |  |          |          | ۱ ـ  | :         | Original | - 1      |            | - 1       |          |               | ł        |          |          | ı        | _        | Original   | - 1            |          | ľ        |          |             |           |             |               |          |
| Final | <u>6</u> . | 10                | 2               | 1  |              |                  | l  |  |          |          | Final                                      |           | ٠Ē       |          |            | - 1       |          |               |          |          |          |          | Final    | - <u>j</u> | - 1            |          | - 1      | - 1      | li          |           |             | - 1           |          |
| ᄔ     | 15         | =                 | 7               |  |              |                  | l  |  |          |          | i ii                                       | -         | 5        |          | ŀ          |           |          |               |          |          |          | 1        | i.       | Ë          | - 1            |          |          |          |             |           |             |               | - 1      |
|       |            |                   | 1               |  |              |                  | <u> </u>   | L.   |          |          |  |           |          |          |            |           |          |               |          |          |          | _]       |          |            | 1              |          |          |          |             |           |             |               |          |
|       | 1          | -0                | 1               |  |              |                  | T  | П  |          |          |  | П         | 51       |          |            |           |          |               |          |          |          | 7        |          | 101        |                | Ī        |          |          |             |           |             |               | П        |
|       | 2          | 1                 |                 |  |              | 1                |  |  |          | $\neg$   |  | T         | 52       |          |            | $\neg$    | -        |               | $\neg$   |          |          | 7        |          | 102        | _              | 寸        | T        | $\neg$   |             |           |             | 寸             | $\neg$   |
|       | 3          | $\dagger \dagger$ | t               | T  | †            | +                | $\vdash$   | <del>                                     </del> | $\Box$   |          | _  | -+        | 53       | _        |            | _         |          | $\dashv$      | $\dashv$ | $\dashv$ |          | ┪        |          | 103        | _              | 7        | 1        | $\dashv$ |             | -         |             | -+            | ᅥ        |
|       | 4          | H                 | t               | ┼┈   | ╁            | ┿                | $\vdash$   | ┢  |          | $\dashv$ | -  |           | 54       | -        | $\dashv$   | $\dashv$  | -        |               | -        |          |          | -1       | $\vdash$ | 104        | $\dashv$       | $\dashv$ | ᅱ        |          |             | -         |             |               | ᅥ        |
|       | 5          | H                 | ╁               | ╁  | +            | ┼                | ╫─   | H  | -        | $\dashv$ | -  | -+        |          |          |            | $\dashv$  | -        |               | $\dashv$ | -+       |          |          |          |            | $\dashv$       | $\dashv$ | $\dashv$ | $\dashv$ | =           | -         |             | -+            |          |
|       | 6          | H                 | <del> </del>    | ┼  | ┿            | ┼                | -  |  | Н        | $\dashv$ |  | -+        | 55       | -        |            |           | _        |               |          | -+       |          | ┩        |          | 105        | -              | -        |          |          |             |           | $\dashv$    | $\rightarrow$ | 4        |
|       |            | Н                 | ┈               | ⊢  | _            | +-               | ├  | -  | -        | $\dashv$ | <u> </u>                                   | $\dashv$  | 56       | -        | _          |           |          |               | _        |          | _        | 4        | 1        | 106        |                | -        |          | _        |             |           |             | $\dashv$      | _        |
|       | 7          | H                 | ـ               | ـــ  | ــــــــ     |                  | _  |  | Ш        |          |  | -         | 57       | _        |            | _         | $\dashv$ |               |          | _        |          | 4        |          | 107        | _              | _        | _        | _        | _           |           |             | _             | _        |
|       | 8          | Ш                 |                 | <u> </u>   |              |                  | _  | L  |          | _        |  | _         | 58       | _        |            | _         | _        |               |          |          |          | _        |          | 108        |                | _        | _        | _        |             |           |             |               |          |
|       | 9          | Ш                 |                 | ┖  |              |                  |  |  |          |          |  |           | 59       |          |            | _         |          |               |          | $\perp$  |          | ╛        |          | 109        |                |          |          |          |             |           |             |               |          |
|       | 10         | Ш                 | L               | <u></u>  |              |                  |  |  |          |          |  |           | 60       |          |            |           |          |               |          |          | ŀ        |          |          | 110        | l_             |          |          | _        |             |           |             |               |          |
|       | 11         | Δľ                | L               | Ĺ  |              |                  |  |  |          |          |  |           | 61       |          | Ī          |           |          |               | T        |          | T        |          |          | 111        |                |          |          |          |             |           |             |               |          |
|       | 12         | П                 |                 |  |              |                  |  |  |          |          |  | T         | 62       |          |            |           |          |               | $\neg$   |          |          | 7        |          | 112        |                |          |          |          |             |           |             | 一             |          |
|       | 13         | П                 | T               | 1  | T            | T                |  |  | П        | $\Box$   |  | T         | 63       |          |            |           | T        |               | _        | T        | $\neg$   | 1        |          | 113        | _              | 一        |          |          |             |           | $\Box$      | $\dashv$      | ᅱ        |
|       | 14         | $\sqcap$          | T               | $\vdash$   | T            |                  | <u> </u>   |  | Н        | $\dashv$ |  | 寸         | 64       | 一        | $\neg$     | $\dashv$  |          |               | 1        | $\dashv$ | $\dashv$ | 1        |          | 114        | $\dashv$       | 1        | _        |          | $\Box$      | -         | -           | _             | ᅱ        |
|       | 15         | Ħ                 | †               | <del>                                     </del> | $t^-$        | $\dagger$        | $\vdash$   | Н  | Н        | $\dashv$ | $\vdash$                                   | $\dashv$  | 65       |          |            |           | -        | $\dashv$      | $\dashv$ | +        | +        | 1        |          | 115        | 十              | $\dashv$ | $\dashv$ |          |             |           | -           | +             | ᅱ        |
|       | 16         | #                 | +-              | ┼─   | +-           | $\vdash$         | $\vdash$   | $\vdash$   | Н        | $\dashv$ | $\vdash$                                   | -+        | 66       |          |            |           | -        | $\dashv$      | $\dashv$ | +        | +        | ┨        | $\vdash$ | 116        | $\dashv$       |          |          |          |             | $\dashv$  | $\dashv$    | $\dashv$      | $\dashv$ |
|       | 17         | H                 | +               | +  | +-           | +                | ├─   | $\vdash$   | Н        | $\dashv$ | $\vdash$                                   | $\dashv$  | 67       | -        | $\dashv$   | $\dashv$  | $\dashv$ |               |          | -+       | +        | $\dashv$ | $\vdash$ | 117        | +              | -1       | $\dashv$ | $\dashv$ | $\vdash$    | $\dashv$  | $\dashv$    | +             | $\dashv$ |
|       |            | ₩                 | ₩               | ╁  | ┿            | ┼—               | -  | H  |          | $\dashv$ | -  |           |          |          |            |           |          |               | $\dashv$ | $\dashv$ | $\dashv$ | 4        | -        |            | $\dashv$       | -        | -        |          |             |           |             |               | 4        |
|       | 18         | 11                | <u> </u>        | ـــــ  | ┺            | ₩                | ┞  | 1  |          | _        | -  | -+        | 68       |          |            |           | _        |               | _        | _        | _        | 4        | <u> </u> | 118        | _              |          | _        |          |             | _         |             | _             | _        |
|       | 19         | Ш                 | _               | <u> </u>   | ↓_           | <u> </u>         | $oxed{oxed}$                                     | L  |          | Щ        | $\perp$                                    | _         | 69       | _        | _          | _         | _        |               | _        | _        | _ _      | ╛        |          | 119        |                | _        | _        |          |             |           |             | _             |          |
|       | 20         | Ц                 | <u> </u>        |  | $\perp$      | <u> </u>         |  |  |          |          |  | _         | 70       |          |            | _         |          |               |          |          |          | ╛        |          | 120        |                |          |          |          |             |           |             |               |          |
|       | 21         | Ш                 |                 |  |              |                  | L  |  |          |          | L  |           | 71       |          |            |           |          |               |          |          |          |          |          | 121        | l              |          |          |          |             |           |             |               |          |
|       | 22         | П                 |                 |  |              |                  |  |  |          |          |  | $\neg$    | 72       |          |            |           |          |               |          |          |          | 1        |          | 122        | $\neg$         |          | T        |          |             |           | П           |               | $\neg$   |
|       | 23         | П                 | П               | Т  | Π            | T                |  |  |          |          |  | $\neg$    | 73       |          |            | T         |          |               |          | 7        |          | 7        |          | 123        | $\neg$         |          | 一        |          |             |           |             |               | ヿ        |
|       | 24         | П                 |                 | $\vdash$   | 1-           |                  | T  |  |          | $\Box$   |  | T         | 74       |          |            | 一         |          |               |          | _        |          | 1        |          | 124        | 一              |          | 1        |          |             |           |             | _             | ヿ        |
|       | 25         | П                 | t               | t  | 1            | ╁                | <del> </del>                                     | T  | $\Box$   | $\dashv$ |  | 寸         | 75       |          | $\neg$     | $\dashv$  | $\dashv$ |               | 寸        | 一十       |          | ٦.       |          | 125        | 一              |          | $\dashv$ |          |             | $\exists$ |             | $\dashv$      | ᅱ        |
|       | 26         | Н                 | <del> </del>    | ╁  | ╁╴           | t                | $\vdash$   |  |          | -        |  | _         | 76       |          |            |           | -        | -1            | ┪        | 十        | +        | 1        |          | 126        | $\dashv$       | _        | $\dashv$ | -        | -           | -         | -           | +             | $\dashv$ |
|       | 27         | Н                 | +               | ╁─   | +-           | +-               | $\vdash$   | <u> </u>   |          | -        | _  | $\dashv$  | 77       | $\dashv$ |            | -         |          | $\rightarrow$ | +        | $\dashv$ | +        | -        | -        | 127        | $\dashv$       | -        | $\dashv$ | _        |             |           |             | $\dashv$      | 一        |
|       | 28         | $\dashv$          | ╁┈              | ┼  | +-           | ╁                | $\vdash$   | H-   | Н        | $\dashv$ | $\vdash$                                   | $\dashv$  | 78       |          |            |           |          |               | $\dashv$ | $\dashv$ | -        | ┥        |          | 127        | -              | -        | $\dashv$ | -        | -           |           |             | $\dashv$      | $\dashv$ |
|       |            | H                 | -               | ┢  | -            | ┿                | -  | <u> </u>   | -        | $\dashv$ | -  | _         |          | $\dashv$ |            | $\dashv$  | $\dashv$ |               | -        |          |          | 4        | -        | 128        | -              | -        | $\dashv$ | $\dashv$ |             |           | $\dashv$    | -             | 4        |
|       | 29         | Н                 | ╄               | ├-   | ┼-           | -                | ┞  |  |          | _        | <u> </u>                                   | _         | 79       | _        | _          |           |          | _             | $\dashv$ | _        | $\bot$   | 4        |          | 129        | _              | -1       | -        |          |             |           | _           | 4             | _        |
|       | 30         | ш                 | <u> </u>        | ↓_   | <u> </u>     | <del> </del>     | _  |  |          | _        | <u> </u>                                   |           | 80       |          |            | _         | _        | _             |          | _        | _        | 4        |          | 130        |                | _        |          |          |             |           |             | _             |          |
|       | 31         | Ш                 |                 |  |              | ┖                | _  | L  |          |          |  | _         | 81       |          |            |           |          |               |          |          |          |          |          | 131        |                |          |          |          |             |           |             |               |          |
|       | 32         | Ш                 | L               | L  |              | _                | L  |  |          |          |  |           | 82       | [        | [          | ]         | [        |               |          |          |          | ╛        |          | 132        |                |          |          |          |             |           |             | T             | _7       |
| L     | 33         | V                 | L               | L  | ⊥_           | <u>_</u>         |  | $L^{-}$  |          |          |  | $_{ m I}$ | 83       | T        | T          | _7        |          |               | T        |          |          |          |          | 133        | T              |          |          |          |             |           | $\Box$      |               | ٦        |
|       | 34         | Π                 | Γ               | Γ  |              | П                | Г  |  |          |          |  | T         | 84       |          |            |           |          |               | $\neg$   |          | $\top$   | 7        |          | 134        | $\neg$         | $\Box$   |          |          |             |           |             |               | ᅰ        |
|       | 35         | П                 |                 |  |              | Т                | Г  |  |          |          |  | $\neg$    | 85       |          | T          |           |          |               |          | 7        | 十        | 7        |          | 135        | 寸              | 寸        | 寸        |          |             |           |             | 寸             | $\dashv$ |
|       | 36         |                   |                 | 1  | T            | 1                | <b>†</b>   | П  | $\Box$   | $\dashv$ |  | $\dashv$  | 86       | $\neg$   | 寸          | $\dashv$  | _        | $\neg$        | 1        | 7        | $\top$   | 1        |          | 136        | $\neg \dagger$ | T        | 1        |          |             |           | $\dashv$    | $\dashv$      | $\dashv$ |
|       | 37         | $\vdash$          |                 | †  | 1            | $t^{-}$          | $t^-$  | Т  | $\vdash$ | $\neg$   |  | $\dashv$  | 87       | $\dashv$ | $\dashv$   | $\dashv$  | -        | -             |          | $\dashv$ | $\dashv$ | 1        |          | 137        | $\dashv$       | 1        | $\dashv$ | $\dashv$ | $\vdash$    | -         |             | $\dashv$      | $\dashv$ |
|       | 38         | <del> </del>      | +-              | $\vdash$   | +            | 1                | ┢  |  | $\vdash$ | $\dashv$ |  | -+        | 88       | $\neg$   | $\dashv$   | -         | -        | $\dashv$      | $\dashv$ | $\dashv$ | - -      | -        |          | 138        | -+             |          |          |          |             |           | $\dashv$    | -             | $\dashv$ |
| -     | 39         | $\vdash$          | -               | +  | +            | $\vdash$         | <del>                                     </del> | $\vdash$   | $\vdash$ | $\dashv$ | H-   | +         | 89       |          |            | -+        | $\dashv$ | $\dashv$      | $\dashv$ | $\dashv$ | $\dashv$ | ┨        |          | 139        | -              | -        |          |          |             | -         | $\vdash$    | $\dashv$      | $\dashv$ |
|       | 40         | $\vdash$          | ┼               | ┼—   | ╁─           | ╁                | ₩  | $\vdash$   | $\vdash$ |          | $\vdash$                                   | +         | 90       | $\dashv$ |            |           |          |               |          | +        | +        | ┨        | -        | 140        |                | $\dashv$ | $\dashv$ | -        | <del></del> | -         | $\dashv$    |               |          |
| -     |            |                   | ₩               | ₩  | $\vdash$     | ╀                | ⊢  |  | -        |          | -  | +         |          | -        |            | <b></b> ∤ | -        | -             | $\dashv$ | -        | - -      | -        |          |            | $\dashv$       | -        |          | _        |             |           |             | -+            | 4        |
|       | 41         | $\vdash$          | -               | ₩  | $\vdash$     |                  | <del> </del>                                     | -  |          | $\dashv$ | -  | $\dashv$  | 91       | 4        |            |           | _        |               | _        | _        |          | -        |          | 141        | $\dashv$       | _        | _        | _        | Щ           |           | _           | $\dashv$      | $\dashv$ |
|       | 42         | <u> </u>          | <del> </del>    | ऻ_   |              | <u> </u>         | $\vdash$   | L.   |          |          |  | _ _       | 92       |          |            | _         | _        |               | _        | _        | _ _      | _        |          | 142        |                |          | _        |          |             |           |             |               | Щ        |
|       | 43         | <u> </u>          | $oxed{igspace}$ | _  | $\perp$      |                  | L.,  |  |          |          |  |           | 93       |          |            |           |          |               | _        | _        |          | 1        |          | 143        |                |          |          |          |             |           | l           |               |          |
|       | 44         | _                 |                 | 丄  | L            |                  |  |  |          |          | L  |           | 94       | l        | $_{\perp}$ | [         |          |               | $\Box$   |          |          | ╛        | L        | 144        |                | [        |          | ]        |             |           |             | T             | _7       |
|       | 45         | L                 | L               | $L^{-}$  | $L^{-}$      | $\mathbb{L}^{-}$ | LĪ   |  |          | _7       |  | _T        | 95       | _1       |            |           |          |               | T        |          |          | ]        |          | 145        |                |          |          |          |             |           | $\neg$      | $\top$        | $\neg$   |
|       | 46         |                   |                 | T  | Π            |                  |  |  |          |          |  | $\neg$    | 96       | $\neg$   | $\neg$     | $\Box$    |          |               | 寸        |          | 1"       | 1        |          | 146        |                | $\neg$   | $\neg$   |          |             |           | $\neg$      |               | $\neg$   |
|       | 47         | T                 | 1               | T  | 1            |                  | T  | П  | $\Box$   | $\neg$   |  | $\dashv$  | 97       | _        | _          | $\neg$    | $\dashv$ | $\neg$        | 寸        | $\dashv$ |          | 1        |          | 147        | 7              | 寸        | $\dashv$ |          |             |           | $\dashv$    | $\dashv$      | $\dashv$ |
|       | 48         | $\vdash$          | <u> </u>        | 1  | $^{\dagger}$ | T                | $\vdash$   | $\vdash$   | -        | $\dashv$ |  | +         | 98       |          |            | -         | -        | $\dashv$      | $\dashv$ | $\dashv$ |          | 1        | <b> </b> | 148        | -+             | -        | $\dashv$ | -        | -           | -         | $\dashv$    | $\dashv$      | $\dashv$ |
|       | 49         | ╁                 | ╁╌              | +  | +-           | +-               | ╁  | $\vdash$   | $\vdash$ | $\dashv$ | -  | $\dashv$  | 99       | $\dashv$ | -          |           |          | -             | $\dashv$ | $\dashv$ | +        | $\dashv$ |          | 149        | +              | -        |          | $\dashv$ | $\vdash$    |           | $\vdash$    | $\dashv$      |          |
|       | 50         | $\vdash$          | +               | ╫  | +            | ┼                | ├-   | $\vdash$   | $\vdash$ | $\dashv$ | -  | $\dashv$  | 100      | $\dashv$ |            |           |          | $\dashv$      |          | -        | +        | -        | $\vdash$ | 150        | -              | -        |          | $\dashv$ | Н           |           | $\dashv$    |               |          |
|       | 1 30       | <u> </u>          | <u> </u>        | ш  |              |                  |  | L _  | L I      |          |  |           | TUU      |          |            |           | I        |               | - 1      | [        |          | 1        |          | 150        | 1              | - 1      |          |          |             |           |             | - 1           |          |